

Status: Currently Official on 14-Feb-2025  
Official Date: Official Prior to 2013  
Document Type: Reagents  
DocId: GUID-53C94601-4C1F-4E51-960C-985F9717438C\_1\_en-US  
DOI: [https://doi.org/10.31003/USPNF\\_R1374\\_01\\_01](https://doi.org/10.31003/USPNF_R1374_01_01)  
DOI Ref: j4kel

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## 4'-Ethoxyacetophenone,

$C_{10}H_{12}O_2$  164.20 CAS RN<sup>®</sup>: 1676-63-7.—White to tan crystals.

**Assay:** Dissolve about 50 mg in 1 mL of ether. Inject about 1  $\mu$ L of this solution into a suitable gas chromatograph (see [Chromatography \(621\)](#)) equipped with a flame-ionization detector and a 0.25-mm  $\times$  30-m capillary column containing stationary phase G1. The carrier gas is helium. The chromatograph is programmed as follows. Initially, the column temperature is equilibrated at 180°, then the temperature is increased at a rate of 10° per minute to 280°, and maintained at 280° for 10 minutes. The injection port temperature is maintained at 280°, and the detector is maintained at 300°. The area of the 4'-ethoxyacetophenone peak is not less than 97.5% of the total peak area.

**MELTING RANGE (741):** between 34° and 39°.

**Auxiliary Information** - Please [check for your question in the FAQs](#) before contacting USP.

Topic/Question	Contact	Expert Committee
4'-ETHOXYACETOPHENONE	<a href="#">Margareth R.C. Marques</a> Principal Scientific Liaison	HDQ Headquarters

**Most Recently Appeared In:**

Pharmacopeial Forum: Volume No. Information currently unavailable

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